

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Christer LANDBERG et al.

Box PCT

Serial No. (unknown)

Application Branch

Filed herewith

ACCESS CONTROL MECHANISM
FOR PACKET SWITCHED
COMMUNICATION NETWORKS

PRELIMINARY AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

Prior to the first Official Action and calculation of the filing fee, please amend the above-identified application as follows:

IN THE CLAIMS:

Amend claim 3 as follows:

--3. (Amended) A method as claimed in claim 1, characterized by allocating said time slot to a further network node (20) carrying a non-delay sensitive service on the basis of stored information concerning non-delay sensitive traffic awaiting transmission if the scheduler (30, 40) indicates that no scheduling interval has elapsed.--

Amend claim 4 as follows:

--4. (Amended) A method as claimed in claim 1, characterised by determining from said scheduler (30, 40) if the scheduling interval for more than one traffic service has

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elapsed, and allocating consecutive time slots to the scheduled traffic services with alternating priority.--

Amend claim 9 as follows:

--9. (Amended) A network as claimed in claim 7, characterised in that the cells of the scheduling means are accessed cyclically.--

Amend claim 10 as follows:

--10. (Amended) A network as claimed in claim 7, characterised in that the number of cells included in said scheduling means (30) is at least equal to the multiple of the scheduling intervals in terms of time slots of the scheduled traffic.--

Amend claim 11 as follows:

--11. (Amended) A network as claimed in claim 7, characterised in that said scheduling means (40) comprises several cyclical schedulers (41), wherein each cyclical scheduler (41) is programmed with scheduling markers relating to traffic services having the same scheduling interval in terms of time slots, the cells of each scheduler corresponding to the same time slot being accessible in turn.--

Amend claim 13 as follows:

--13. (Amended) a network as claimed in claim 6, characterised in that said central node (10) comprises queue recording means (11) for storing the packet queue size of non-delay sensitive traffic awaiting transmission at said network nodes (20).--

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R E M A R K S

The above changes in the claims merely place this national stage application in the same condition as it was during Chapter II of the international stage, with the multiple dependencies being removed.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Amend claim 3 as follows:

--3. (Amended) A method as claimed in claim 1-~~or~~-2, characterized by allocating said time slot to a further network node (20) carrying a non-delay sensitive service on the basis of stored information concerning non-delay sensitive traffic awaiting transmission if the scheduler (30, 40) indicates that no scheduling interval has elapsed.--

Amend claim 4 as follows:

--4. (Amended) A method as claimed in ~~any previous~~ claim_1, characterised by determining from said scheduler (30, 40) if the scheduling interval for more than one traffic service has elapsed, and allocating consecutive time slots to the scheduled traffic services with alternating priority.--

Amend claim 9 as follows:

--9. (Amended) A network as claimed in claim 7-~~or~~ 8, characterised in that the cells of the scheduling means are accessed cyclically.--

Amend claim 10 as follows:

--10. (Amended) A network as claimed in ~~any one of~~ claims 7-to-9, characterised in that the number of cells included in said scheduling means (30) is at least equal to the multiple of the scheduling intervals in terms of time slots of the scheduled traffic.--

Amend claim 11 as follows:

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--11. (Amended) A network as claimed in ~~any one of~~ claims 7-to-9, characterised in that said scheduling means (40) comprises several cyclical schedulers (41), wherein each cyclical scheduler (41) is programmed with scheduling markers relating to traffic services having the same scheduling interval in terms of time slots, the cells of each scheduler corresponding to the same time slot being accessible in turn.-

Amend claim 13 as follows:

--13. (Amended) a network as claimed in ~~any one of~~ claims 6-to-12, characterised in that said central node (10) comprises queue recording means (11) for storing the packet queue size of non-delay sensitive traffic awaiting transmission at said network nodes (20).--

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